

## **Peninsula State Park Water Use Audit**

Additional Information

11/1/2012

A total of 58-60 park buildings and 10 well pump houses will be a part of the water use audit. Some, but not all of the wells are metered.

There are underground water mains and laterals as described below. The total length of water main is not known at this time. There are some maps that show where the water mains are installed that will be available to the retained contractor.

For Bid Item 5.2.3 – Leak detection of supply lines: We are not requesting a bid for acoustic leak detection of water mains and laterals at this time. Leak detection for this project should consist of reviewing available water use data, observing if a well runs when fixtures are not being used, and a visual inspection of fixtures and exposed water lines.

Please contact Steve Elmore, 608-264-9246, [steve.elmore@wisconsin.gov](mailto:steve.elmore@wisconsin.gov) with any questions.

### **Summary of water using facilities at Peninsula State Park:**

#### **Weborg Pt Camp:**

- 1 – Well
- 1 – Building
- 1 – Shower
- 4 – Lavatory Sink Faucets
- 5 – Toilets (.6 GPF ea.)
- 2 – Floor Mount Washout Urinals
- 1 – Drinking Fountain
- 1 – Jug Filler
- 2 – Hose Bibs
- 1 – Sampling Tap
- 2 – Main Line Drains
- 1 – Well Sample Tap

Water Main to building is 1" galv. Pipe

#### **Tennison Bay Camp:**

- 1 – Well
- 6 – Buildings
- 14 – Showers
- 25 – Lavatory Sink Faucets

26 – Toilets  
10 – Floor Mount Washout Urinals  
13 – Drinking Fountains  
12 – Jug Fillers  
1 – Sampling Tap  
2 – Service Sink Faucets  
6 – Hose bibs  
5 – Main Line Drains  
1 – 1 ¼" Dry Hydrant  
1 – 2" Dry Hydrant

Water Mains are 3" MC Joint Ductile Iron. Service Laterals to Buildings are 2" Sch. 40 Galv. Pipe. Water Laterals to Drinking Fountains are ¾" Copper Pipe.

Nicolet Bay South Camp:

1 – Well  
2 – Buildings  
12 – Showers  
9 – Lavatory Faucets  
11 – Toilets  
4 – Floor Mount Washout Urinals  
1 – Service Sink Faucet  
14 – Drinking Fountains  
13 – Jug Fillers  
3 – Hose Bibs  
1 – Sampling Tap  
6 – Main Line Drains

Water Mains are 3" MC Joint Ductile Iron. Service Laterals to Buildings are 2" Sch. 40 Galv. Pipe. Water Laterals to Drinking Fountains are ¾" Copper Pipe.

Nicolet Bay North Camp:

2 – Buildings  
4 – Showers  
8 – Lavatory Faucets  
10 – Toilets  
4 – Floor Mount Washout Urinals  
6 – Drinking Fountains  
6 – Jug Fillers

- 1 – Service Sink Faucet
- 3 – Hose Bibs
- 1 – Sampling Tap
- 1 – 1 ¼" Dry Hydrant
- 2 – Main Line Drains

Water Mains are 3" MC Joint Ductile Iron. Service Laterals to Buildings are 2" Sch. 40 Galv. Pipe. Water Laterals to Drinking Fountains are ¾" Copper Pipe.

Welkers Pt. Camp:

- 1 - Well
- 3 – Buildings
- 9 – Showers
- 12 – Lavatory Faucets
- 16 – Toilets
- 6 – Floor Mount Washout Urinals
- 5 – Drinking Fountains
- 5 – Jug Fillers
- 1 – Service Sink Faucet
- 2 – Hose Bibs
- 1 – Well Sampling Tap
- 1 – 1 ¼" Dry Hydrant

Water Mains are 3" MC Joint Ductile Iron. Service Laterals to Buildings are Sch. 40 Galv. Pipe. Water Laterals to Drinking Fountains are ¾" Copper Pipe.

Nicolet Bay Beach:

- 1 - Well
- 2 – Buildings
- 6 – Showers
- 4 – Lavatory Faucets
- 6 – Toilets
- 2 – Wall Mount Urinals
- 2 – Drinking Fountains
- 6 – Hose Bibs
- 1 – Sampling Tap
- 3 – Service Sink Faucets
- 2 – Foot Washes
- 1 – Water Cooled Ice Cream Machine

- 1 – Soda Dispenser
- 5 Zone Irrigation System (20 Heads @ 2 GPM Each)
- 1 – Dry Hydrant
- 3 – Main Line Drains

Water Main from Well Head to Shower Building is 2" Sch. 80 PVC to 2" Copper Pipe.  
Water Main from Shower Building to Concession / Drinking Fountains is 1 ½" Copper Pipe to 1 ½" Sch. 40 PVC.  
Service Lateral to Concession Stand is 1" Sch. 40 PVC.

Park Office Building:

- 1 - Well
- 3 – Toilets
- 2 – Lavatory Faucets
- 1 – Kitchen Sink Faucet
- 1 – Wall Mount Urinal
- 1 – Drinking Fountain
- 4 – Hose Bibs
- 1 – Sampling Tap
- 1 – 1' Curb Stop @ Well Head

Water Main from Well Head to Building is 1" Copper Pipe  
Service Lateral from Building to Drinking Fountain is ¾" Copper Pipe

Shop/Managers Residence/LTE Housing:

- 4 - Buildings
- 1 – Well
- 7 – Toilets
- 8 – Lavatory Faucets
- 3 – Kitchen Faucets
- 1 – Service Sink Faucet
- 1 – Floor Mount Washout Urinal
- 6 – Showers
- 1 – Drinking Fountain
- 3 – Washing Machines
- 1 – Sampling Tap
- 5 – Hose Bibs

Water Main from Well to Shop 1 ½" galv. Pipe to 1 ¼" Copper Pipe  
Water Main from Well to Residence 1 ¼" Galv. Pipe.  
Service Laterals from Shop to both LTE Houses are 1" Copper Pipe.

Group Camps:

- 1 – Well
- 2 – Drinking Fountains
- 3 – Jug Fillers
- 1 – Sampling Tap
- 1 – Hose Bib
- 1 – Main Line Drain

Water Main from Well to Drinking Fountains are 1 ¼" Galv. Pipe to 1" Sch. 40 PVC.

Nature Center/Dump Station:

- 1 – Well
- 1 – Buildings
- 4 – Dump Station Hose Towers
- 2 – Jug fillers
- 2 – Hose bibs
- 1 – Sampling Tap
- 1 – Kitchen Faucets
- 2 – Main Line Drains

Water Main from Well to Nature Center & Dump Station are 1 ¼" Galv. Pipe.

Golf Course Clubhouse (includes a food service area and 4 restrooms, no showers):

- 1 – Well
- 2 – Buildings
- 7 – Toilets
- 3 – Wall Mount Urinals
- 6 – Lavatory Faucets
- 3 – Kitchen/Service Faucets
- 1 – Commercial dishwasher
- 1 – Ice maker
- 1 – Drinking Fountain
- 1 – Sampling Tap
- 1 – Line Drain

Water Main from Well to Clubhouse is 1 ½" Poly Pipe

Service Lateral from Clubhouse to #10 Tee Refreshment Stand is 1" Poly Pipe.

Golf Course Maintenance Building:

- 1 – Well
- 3 – Buildings
- 1 – Toilet
- 1 – Lavatory Faucet
- 1 – Service Sink Faucet
- 1 – Drinking Fountain
- 3 – Hose Bibs
- 1 – Sampling Tap
- 2 – Curb Stops

Water Main from Well to Maintenance Building 1 ½" Galv. Pipe to Poly Pipe

American Folklore Theater:

- 1 – Well
- 1 – Building
- 2 – Toilets
- 2 – Showers
- 6 – Lavatory Sink Faucets
- 1 – Service Sink Faucet
- 2 – Washing Machines
- 2 – Hose Bibs
- 1 – Line Drain
- 1 – Curb Stop @ Well Head

Water Main from Well to Dressing Room Facility is 1 ¼" Poly Pipe.

Campground Water Lines = Apox. 10,305 ft. (Tennison Bay, N.B. North & South, Welkers Pt., N.B. Beach Area)